

ABSTRACT

A power supply unit includes a housing in which one or more power supply modules can be inserted and a modular AC input section. The modular AC input section preferably attaches to the distal end of the housing from where the power supply modules are inserted. The AC input section includes one or more circuit breakers, connectors and wiring connecting the breakers to the connectors. The connectors preferably comprise blind mating connectors that mate with corresponding connectors on the rear surface of the power supply modules. The AC input section is screwed to the power supply housing or attached through some other suitable means. The AC input section is modular in the sense that it can be easily and quickly removed from the power supply unit and replaced with another section. This permits upgrades and repairs to be made in a quick, cost effective manner.